https://www.kickstarter.com/projects/coolhuman/cool-human-endothermic-cooling-shirt-powered-by-nature

A revolutionary sweat-activated “Tribrid” T-shirt/undershirt/base layer with “smart” sweat-activated cooling based on endothermic principles.

The Cool Human® Endothermic Cooling Shirt offers “smart” sweat-activated cooling and moisture management via a state-of-the-art micro-vesicle delivery system. The micro-vesicles, which are infused in the Cool Human® fabric, contain xylitol, a natural sugar alcohol found in fruit, corn and birch that also has antimicrobial and antiviral properties. When the shirt is dry, the xylitol remains inactive, but as the wearer becomes hotter and sweats, the vesicles become hydrated, triggering an endothermic (heat absorbing) reaction between the water in the sweat and the xylitol, thus lowering the surrounding temperature. Unlike other “cooling” shirts that depend on the wind to cool the wearer through evaporation, the Cool Human® shirt delivers sweat-activated cooling regardless of external conditions. Additionally, the Cool Human® fabric is made with TACTEL®, a unique fabric with the strength and durability of nylon, the softness of cotton, and the quick-dry properties of polyester. Moreover, at a super-high 50 gauge knit, the fabric is ultra-thin but strong and dense, allowing for use as a regular T-shirt, an undershirt, or a base layer, with UV protection and almost no added bulk.

Cool Human® was created by a Canadian PhD in biochemistry, who also founded the NanoDri® brand of all-over sweatproof apparel.

Cool Human® has launched a new product, the Cool Human® Endothermic Cooling Shirt.

The shirts will offer “smart” sweat-activated cooling and moisture management via a state-of-the-art micro-vesicle delivery system containing xylitol, a natural sugar alcohol found in fruit that also has antimicrobial and antiviral properties.

Unlike other “cooling” shirts that depend on the wind to cool the wearer through evaporation, the Cool Human® Endothermic Cooling Shirt delivers real cooling via an endothermic reaction between xylitol and the water in human sweat.

 Additionally, the Cool Human® fabric is made with TACTEL®, a unique fabric with the strength and durability of nylon, the softness of cotton, and the quick-dry properties of polyester.

Moreover, at a super-high 50 gauge knit, the fabric is ultra-thin but strong and dense, allowing for “tribrid” use as a regular T-shirt, an undershirt, or a base layer, with UV protection built-in and almost no added bulk.

The product is now being funded on the crowd-funding site Kickstarter and can be purchased there at a steep discount.

Endothermic Cooling Arm sleeves and neck gaitor will also be available exclusively to Kickstarter backers as add-on products.